



MKL PES (Polyether sulphone) Filter Capsules

PureFlo® MKL Filter Capsules are designed for applications where sterility of the affluent is mandatory (Sterile Compounding and Pharmaceutical use). The product contains a pharmaceutical grade PES, and the filters are built in a 10,000-class clean room, flushed, dried and 100% integrity tested prior to packaging. The product is factory sterilized by Ethylene Oxide gas (ETO) ensuring sterility.

Application

Lab Scale Testing	Fine Chemicals	Ink
SVP (Small Volume Parenteral)	Bio Bags	Pharmaceuticals
Water	Biologics	Antibiotics
Scale up processing	Water	Serums



MKLS120DLF2H-ETO
 MKLDP Capsule Filter with Luer Loc Female Inlet to ¼" Hose Barb and Outlet Connections



Technical Data Sheet

Popular Configuration:

Catalog Number	Effective Filtration Area	Inlet Connection	Outlet Connection
MKLS120DLF2H	500 cm ²	Luer Loc Female	¼" Hose Barb
❖ Find the complete list of available standard inlet and outlet fittings in page 4.			

Micron Rating:

Final Media: 1.2 µm PES membrane

Effective Filtration Area:

77.5 in² (500 cm²)

Materials of Construction

Filter Membrane: 1.2 µm Pharmaceutical Grade PES - Hydrophilic

Supports: Polypropylene

Cage, Core, End Caps: Polypropylene

Sealing: Thermally Welded

Filter Integrity:

The finished product was sampled and shown to exhibit a minimum bubble point (at 22°C) of 11.6 psi (0.8 bar) in water.

Operating Conditions:

Maximum Forward Differential Pressure: Liquid: 5.5 bar (80psi) at 77°F/25°C

Gas: 4.1 bar (60psi) at 77°F/25°C

Minimum Burst Pressure: 8.3 bar (120psi) at 77°F/25°C

Maximum Forward Differential Pressure: 5 bar (72psi) at 68°F/20°C

Maximum Reverse Differential Pressure: 3.0 bar (44psi) at 68°F/20°C

Maximum Operating Temperature: 176°F/80°C

Regulatory Compliance:

The filters are constructed with polypropylene resins and filtration media in compliance with 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic.

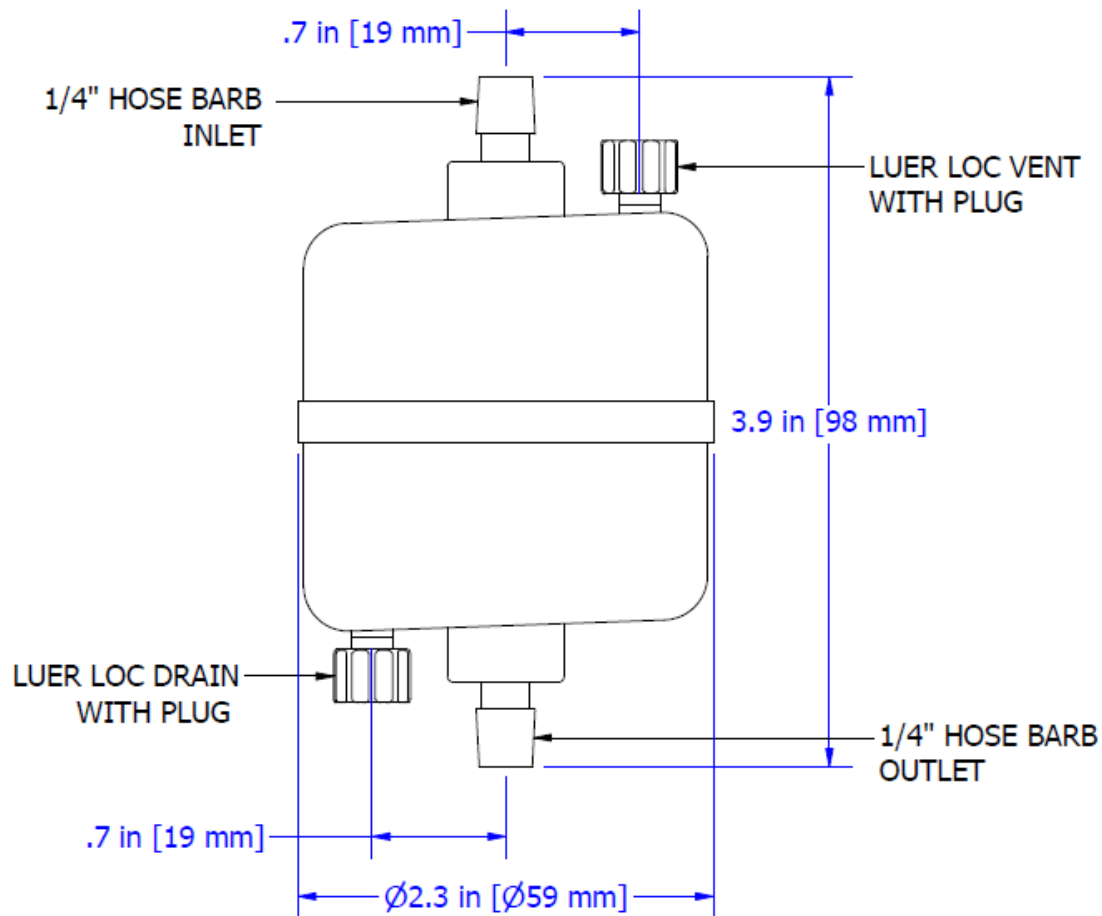


International Filter Products

Revolutionary systems for your industry

Nominal Dimension:

Part Number: MKLS120DLF2H



Sterilization:

The filters can be sterilized by autoclaving for 10 cycles at 257°F/125°C for 30 minutes.

Warning: The filters cannot be sterilized by steam-in-place (SIP)

Shelf Life:

The MKLDP Capsule have a shelf life of 3 years from the date of manufacture.



MKP- Series PES Mini Capsules (Pharmaceutical Grade)

Ordering Guide



[1]	[2]	[3] Inlet and [4] Outlet	[5]
Micron Rating (Pre-Filter/Final Filter)	Filter Size Code [Filtration Area]	Inlet and Outlet Connection	Sterilization
<ul style="list-style-type: none"> S020 : 0.2 μm DS065S020 : Highly Asymmetric 0.65/0.2 μm DS045S020 : Highly Asymmetric 0.45/0.2 μm DS045S010 : Highly Asymmetric 0.45/0.1 μm S080020 : 0.8/0.2 μm S020010 : 0.2/0.1 μm S120 μm <p>Note: All final membranes are sterilizing grade.</p>	<ul style="list-style-type: none"> B [Filtration Area: 360 cm²] C [Filtration Area: 420 cm²] D [Filtration Area: 500 cm²] 	<ul style="list-style-type: none"> 1H : 1/8" Hose Barb 1Q : 1/8" Male Quick Coupling with Metal Latch 2H : 1/4" Hose Barbs 2H-FB : 1/4" Hose barbs with Filling Bell 2Q : 1/4" Male Quick Coupling for Metal Latch 2N : 1/4" MNPT 3H : 3/8" Hose barbs LF : Luer Loc Female LM : Luer Loc Male MT : 1/2" Tri clamps 	-ETO Ethylene Oxide Sterilization

Example:

MKPS120DLF2H-ETO

PureFlo MKP Series Mini Capsule, 1.2μm PES membrane, Filtration Area 500 cm², Luer Loc Female Inlet and 1/4" Hose Barb Outlet), ETO Sterilized (Factory Sterilized)

Part Number

Description



Special Configuration:

Micron Rating Option:

- 0.04 Micron
- 0.1 Micron
- 0.2 Micron
- 0.5 Micron
- 0.65 Micron
- 0.8 Micron
- 1.2 Micron

Inlet Fitting Option:

- 1H = 1/8" Hose Barb
- 1Q = 1/8" Male Quick Coupling with Metal Latch
- 2H = 1/4" Hose Barbs
- 2HS = 1/4" to 3/8 " Hose Barb
- 2Q = 1/4" Male Quick Coupling for Metal Latch
- 3H = 3/8" Hose Barb
- 4H = 1/2" Hose Barb
- 4Q = 1/2" Male Quick Coupling for Plastic latch
- 5H = 5/8" Hose Barb
- MT = 1/2" Tri clamps
- TC = 1-1/2" Tri clamp

Outlet Fitting Option:

- 1H = 1/8" Hose Barb
- 1Q = 1/8" Male Quick Coupling with Metal Latch
- 2H = 1/4" Hose Barbs
- 2HS = 1/4" to 3/8 " Hose Barb
- 2Q = 1/4" Male Quick Coupling for Metal Latch
- 3H = 3/8" Hose Barb
- 4H = 1/2" Hose Barb
- 4Q = 1/2" Male Quick Coupling for Plastic latch
- 5H = 5/8" Hose Barb
- MT = 1/2" Tri clamps
- TC = 1-1/2" Tri clamp

